

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 19003.003
INTERNATIONAL APPLICATION NO. PCT/EP2004/006700		INTERNATIONAL FILING DATE 21 June 2004
TITLE OF INVENTION Improved Methods for Producing Ethanol and Methane from Biomass		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) To Be Assigned 10/561249
APPLICANT(S) FOR DO/EO/US Carl Ludwig WILKENING and Ludz WILKENING		PRIORITY DATE CLAIMED 20 June 2003

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US); however, a courtesy copy is attached.
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4) and a courtesy copy is enclosed.
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13~~ter~~.2 and 37 CFR 1.821 – 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: a copy of Form PCT/IP/304 (Notification Concerning Submission or Transmittal of Priority Document); a copy of Form PCT/IP/308 (First Notice Informing the Applicant of the Communication of the International Application to the Designated Offices); a copy of PCT/IP/332 (Information Concerning Elected Offices Notified of Their Election); a copy of Form PCT/IB/308 (Second and Supplementary Notice Informing the Applicant of the Communication of the International Application); and a copy of Form PCT/IPEA/409 (International Preliminary Report on Patentability)

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450 Alexandria, VA 2313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
To Be Assigned 10/561249		PCT/EP2004/006700		19003.003	
21. The following fees are submitted:				Applicant use	Office use only
<input checked="" type="checkbox"/> a) Basic national fee.....\$300.00				\$ 300.00	
<input checked="" type="checkbox"/> b) Examination fee.....\$200.00				\$ 200.00	
<input checked="" type="checkbox"/> c) Search fee\$500.00				\$ 500.00	
TOTAL OF ABOVE CALCULATIONS = \$1000.00				\$ 1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (including sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
39 - 100 =	0 / 50 =	0	x \$250.00	\$ 0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	* - 20 =	*	x \$50.00	\$ 00.00	
Independent claims	* - 3 =	*	x \$200.00	\$ 00.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 1,130.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 565.00	
SUBTOTAL =				\$ 565.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$
TOTAL NATIONAL FEE =				\$ 565.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.21). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$ 00.00	
				Amount to be refunded:	\$
				Amount to be charged	\$565.00
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 50-2387 in the amount of \$ <u>565.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2387. A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
ARNOLD & PORTER LLP					
Attn: IP Docketing					
555 Twelfth Street, N.W.					
Washington, DC 20004					
Tel.: 202-942-5000					
Fax: 202-942-5999					
Filed: <u>December 19, 2005</u>				SIGNATURE	
				<i>Kristan Lansbery</i>	
				NAME	
				David R. Marsh/Kristan L. Lansbery	
				REGISTRATION NUMBER	
				41,408/53,183	

ARNOLD & PORTER LLP

202.942.5000
202.942.5999 Fax
555 Twelfth Street, NW
Washington, DC 20004-1206

December 19, 2005

Mail Stop PCT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. National Phase Application
Based on International Application No. PCT/EP2004/006700
International Filing Date: 21 June 2004
Appln. No.: To Be Assigned
Filed: Herewith
Title: Improved Methods for Producing Ethanol and Methane from Biomass
Applicants: Carl Ludwig WILKENING *et al.*
Atty. Docket: 19003.003

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office (PTO):

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)
Concerning a Filing Under 35 U.S.C. 371 (in duplicate);
2. International Application entitled:
Improved Methods for Producing Ethanol and Methane from Biomass
and naming as inventors:
Carl Ludwig WILKENING and Ludz WILKENING;
3. the application consisting of:
 - a. a specification containing:
 - (i) 30 pages of a description prior to the claims;
 - (ii) 6 pages of claims;

- (iii) a one page abstract;
- (iv) 3 pages of drawings (Figures 1-3);
- 4. a Preliminary Amendment;
- 5. a copy of Form PCT/IB/304 (Notification Concerning Submission or Transmittal of Priority Document);
- 6. a copy of Form PCT/IB/308 (First Notice Informing the Applicant of the Communication of the International Application to the Designated Offices);
- 7. a copy of Form PCT/IB/332 (Information Concerning Elected Offices Notified of Their Election);
- 8. a copy of Form PCT/IB/308 (Second and Supplementary Notice Informing the Applicant of the Communication of the International Application);
- 9. a copy of Form PCT/IPEA/409 (International Preliminary Report on Patentability); and
- 10. two (2) return postcards.

Applicants request that \$1,365.00 (fees have been reduced by 1/2 for small entity status) for the following fees be charged to Deposit Account No. 50-2387, referencing matter number 19003.003:

\$ <u>150.00</u>	basic national fee
\$ <u>100.00</u>	examination fee
\$ <u>250.00</u>	search fee
\$ <u>65.00</u>	fee for late filing of declaration
\$ <u>800.00</u>	additional claims fee

Please stamp one of the two attached postcards with the filing date of these documents and return it to our courier, and stamp the other prepaid postcard with the filing date and unofficial application number and return it as soon as possible.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned. Applicants do not believe any fees, other than the above fees (\$1,365.00) are due in conjunction with this filing. However, if any additional fees are required in the present application, including any fees for extensions of

10/561249

IAPG Rec'd PCT/PTO 19 DEC 2005

ARNOLD & PORTER LLP

Commissioner for Patents

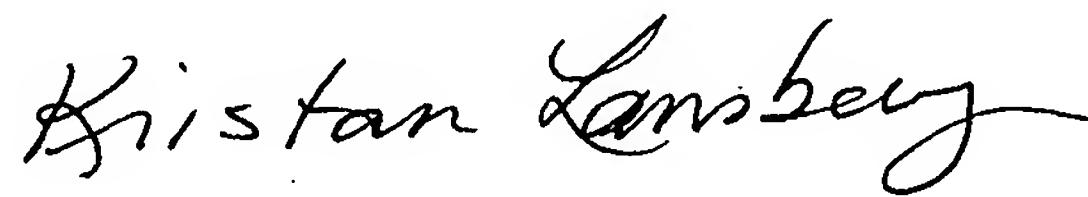
Atty. Dkt.: 19003.003

December 19, 2005

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time, then the Commissioner is hereby authorized to charge such fees to Arnold & Porter LLP
Deposit Account No. 50-2387, referencing matter number 19003.003. A duplicate of this letter
is enclosed.

Respectfully submitted,



David R. Marsh (Reg. Atty. No. 41,408)

Kristan L. Lansbery (Reg. Agent No. 53,183)

Attachments